**Content**

| Course Code | Course Name | Semester | Theory | Practice | Lab | Credit | ECTS |
|---|---|---|---|---|---|---|---|
| GÜV358 | Meteorology | 3 | 1 | 1 | 1 | 2 | 3 |

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| Prerequisites | |
| Admission Requirements | |

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| Language of Instruction | Turkish |
| Course Type | Compulsory |
| Course Level | Associate Degree |
| Objective | 1.To provide theoretical information to observe the weather events<br>2. To provide theoretical and practical information to establish meteorogical communication<br>3. To provide theoretical and practical information to establish to forecast weather events at sea |
| Content | The concept of ocean and sea, submarine topography, submarine surface shapes, physical and chemical properties of sea water, waves, currents, tides, air masses, fronts, synoptic map analysis, observation and analysis codes, pressure and wind systems in the oceans, national and international weather stations, mid-latitude cyclones, anticyclone and other pressure systems, meteorological support services to sailors, records and report of weather observations, weather forecast, evaluation of weather forecast reports |
| References | ) Hava Analiz ve Tahmin Tekniği, DMİ Gen.Müd. Yayın No:2006-1,ANKARA,2007 Klimatoloji, DMİ Gen.Müd. Matbaa ve Basımevi Atölyesi , ANKARA<br>2) ÖNEY S. ve YILMAZ A., Denizcilik Meteorolojisi, İSTANBUL, 2000 Deniz Meteorolojisi, DMİ Gen.Müd. Matbaa ve Basımevi Atölyesi, ANKARA, 1983 |

**Theory Topics**

| Week | Weekly Contents |
|---|---|
| 1 | Meteorology-Atmosphere |
| 2 | Heat and temparature |
| 3 | Atmospherric pressure |
| 4 | Winds |
| 5 | Evaporation, condensation, moisture |
| 6 | Cloud, rain, meteorites |
| 7 | Visibility, fog, meteorological observation |
| 8 | Air masses |
| 9 | Fecades |
| 10 | Tropical Cyclones |
| 11 | Sea Water Temperature and Salinity |
| 12 | Waves, Wave cracked, Tidal, Currents |
| 13 | Synoptic coding, synoptic maps |
| 14 | Weather forecast |